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FM NPIC WASH DC

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SUBJECT: EVALUATION OF GIANT SCALE MISSION SO-161, FLOWN 30 JUNE 1969

REF: NPIC 131901Z SEP 68

1. QUALITY SUMMARY: THE OVERALL QUALITY OF THIS MISSION MATERIAL IS COMPARABLE TO PAST GIANT SCALE MISSIONS USING THESE SENSORS. CLOUDS AND HAZE OBSCURED 60 PER CENT OF THE ENTIRE MISSION. EMPIRICAL GROUND RESOLUTION ESTIMATES OF THE BEST IMAGERY IN CLOUD FREE FRAMES ARE AS FOLLOWS:

- A. LEFT TECHNICAL OBJECTIVE CAMERA
- B. RIGHT TECHNICAL OBJECTIVE CAMERA
- C. LEFT OPERATIONAL OBJECTIVE CAMERA-NO ESTIMATE CAN BE GIVEN DUE TO CLOUD COVER.
- D. RIGHT OPERATIONAL OBJECTIVE CAMERA-

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2. ANALYSIS OF TECHNICAL OBJECTIVE CAMERAS:

- A. COMMENTS APPLICABLE TO BOTH CAMERAS:
 - (1) NO UNUSUAL ANOMALIES OTHER THAN THOSE NOTED IN REF.
- B. LEFT TECHNICAL OBJECTIVE CAMERA (S/N 6403):
 - (1) THE LEFT TECHNICAL OBJECTIVE MATERIAL IS POOR BUT SIMILAR TO PAST MISSIONS USING THIS SENOR. THE IMAGERY IS UNSHARP AND PROVIDES A GROUND RESOLUTION OF [] IN THE BEST AREAS.

- C. RIGHT TECHNICAL OBJECTIVE CAMERA (S/N 64-08)

(1) A PLUS DENSITY STREAK OF VARYING WIDTHS UP TO 0.15 INCHES LOCATED TWO INCHES FROM THE TITLED EDGE IS PRESENT THROUGHOUT THE MISSION. THIS STREAK IS MORE APPARENT BETWEEN FRAMES 295 AND 457.

3. ANALYSIS OF THE OPERATIONAL OBJECTIVE CAMERAS:

- A. COMMENTS APPLICABLE TO BOTH CAMERAS:
 - (1) NO UNUSUAL ANOMALIES.
- B. LEFT OPERATIONAL OBJECTIVE CAMERA (S/N 4023):
 - (1) NO UNUSUAL ANOMALIES.
- C. RIGHT OPERATIONAL OBJECTIVE CAMERA (S/N 4018):
 - (1) NO UNUSUAL ANOMALIES.

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SECRET

END OF MESSAGE

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